

## EAST Search History

S19 9	26	("4370523"   "4589137"   "4741038"   "4802227"   "4888807"   "5033082"   "5243661").PN. OR ("5471538").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/15 11:20
S20 0	38	("4025721"   "4425481"   "4589137"   "4628529"   "4630304"   "4630305"   "4887299"   "4931977"   "4956867"   "5027410"   "5224170"   "5402496"   "5412735"   "5471538"   "5475759"   "5557682"   "5568519"   "5610991"   "5627799"   "5680467"   "5694474"   "5737430"   "5740256"   "5754665"   "5793875"   "5825898"   "5835607"   "5835608"   "5917921"   "5991418"   "6002776"   "6049607"   "6069963"   "6072884"   "6091813"   "6094150"   "6097771"   "6127973").PN. OR ("6999541").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/15 11:29
S20 1	251	((381/92).ccls.) and microphone and @ay<="1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/08/15 12:08
S20 2	112	((381/122).ccls.) and microphone and @ay<="1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/08/15 12:20
S20 3	185	((381/71.11-71.12).ccls.) and microphone and @ay<="1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/08/15 12:25
S20 4	89	((381/91).ccls.) and microphone and @ay<="1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/08/15 12:27
S20 5	14	((381/369).ccls.) and microphone and @ay<="1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/08/15 12:28
S20 6	136	((381/86).ccls.) and microphone and @ay<="1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/08/15 12:28

## EAST Search History

S20 7	96	((704/226).cls.) and (microphone and recogni\$4) and @ay<="1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/08/15 13:44
S20 8	34	((704/227-228).cls.) and (microphone and recogni\$4) and @ay<="1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/08/15 13:47
S20 9	198	((704/233).cls.) and (microphone and recogni\$4) and @ay<="1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/08/15 13:47
S21 0	1122	first adj microphone and second adj microphone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2006/08/19 09:30
S21 1	3686	first adj adapt\$4 and second adj adapt\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2006/08/19 09:33
S21 2	382	((381/122)"cls.") and @ay<="1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2006/08/19 09:40
S21 3	437	((381/92)"cls.") and @ay<="1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2006/08/19 09:46
S21 4	382	((381/91)"cls.") and @ay<="1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2006/08/19 09:48
S21 5	16	((381/86)"cls.") and S210 and @ay<="1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2006/08/19 09:51
S21 6	0	((381/369)"cls.") and S210 and @ay<="1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2006/08/19 09:51

## EAST Search History

S15 4	0	(microphone and (9cm))	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/21 16:50
S15 5	1	(microphone and (7cm))	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/21 16:51
S15 6	0	(microphone and (8cm))	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/21 16:51
S15 7	2	(microphone and (8cm))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/21 16:54
S15 8	0	(microphone and (8cm))	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/21 16:54
S15 9	4	((5cm) and microphone)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/22 09:11
S16 0	4	((5cm) and microphone)	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/22 17:08
S16 1	0	((8cm) and microphone)	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/22 09:42
S16 2	2	((8cm) and microphone)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/22 09:17
S16 3	2	((9cm) and microphone)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/22 09:42
S16 4	8	((10cm) and microphone)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/22 09:21
S16 5	1	((10cm) and microphone)	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/22 09:23
S16 6	1	((11cm) and microphone)	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/22 09:24
S16 7	0	((11cm) and microphone)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/22 09:24
S16 8	0	((9cm) and microphone)	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/22 09:42

## EAST Search History

S16 9	1	((7cm) and microphone)	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/22 09:43
S17 0	2	((7cm) and microphone)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/22 09:56
S17 1	1	("6600824").PN.	USPAT; EPO	OR	OFF	2005/04/22 09:56
S17 2	1	"6317501".PN.	USPAT; USOCR	OR	OFF	2005/04/22 09:56
S17 3	1	"6069961".PN.	USPAT; USOCR	OR	OFF	2005/04/22 09:58
S17 4	1	"5933506".PN.	USPAT; USOCR	OR	OFF	2005/04/22 09:59
S17 5	1	"5825898".PN.	USPAT; USOCR	OR	OFF	2005/04/22 10:00
S17 6	1	"5657393".PN.	USPAT; USOCR	OR	OFF	2005/04/22 10:00
S17 7	1	"5600727".PN.	USPAT; USOCR	OR	OFF	2005/04/22 10:01
S17 8	1	"5581495".PN.	USPAT; USOCR	OR	OFF	2005/04/22 10:02
S17 9	1	"5477270".PN.	USPAT; USOCR	OR	OFF	2005/04/22 10:03
S18 0	1	"5473701".PN.	USPAT; USOCR	OR	OFF	2005/04/22 10:03
S18 1	1	"5471538".PN.	USPAT; USOCR	OR	OFF	2005/04/22 10:04
S18 2	1	"4412097".PN.	USPAT; USOCR	OR	OFF	2005/04/22 10:04
S18 3	1	("5442813").PN.	USPAT; EPO	OR	OFF	2005/04/22 17:08
S18 4	201	((381/92).ccls.) and microphone and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/10/21 09:39
S18 5	86	((381/122).ccls.) and microphone and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/10/21 09:40
S18 6	110	((381/86).ccls.) and microphone and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/10/21 09:41

## EAST Search History

S18 7	-	184	((381/71.11-71.12).ccls.) and microphone and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/10/21 09:43
S18 8		14	((381/369).ccls.) and microphone and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/10/21 09:43
S18 9	-	85	((381/91).ccls.) and microphone and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/10/21 09:44
S19 0		188	((704/226-228).ccls.) and microphone and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/10/21 09:47
S19 1	-	206	((704/233).ccls.) and microphone and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/10/21 09:47
S19 2		3579	first adj adapt\$4 and second adj adapt\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/19 09:31
S19 3	-	504	microphone\$1 same error same power	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/01 12:36
S19 4		23	S192 and S193 and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/01 12:36
S19 5	-	1072	first adj microphone and second adj microphone	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/19 09:30
S19 6		10078	adapt\$4 same error same power	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/01 12:36
S19 7	-	4	S195 and S196 and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/05/01 12:36
S19 8		20	"5471538"	US-PGPUB; USPAT; USOCR; FPRS; EPO	OR	OFF	2006/08/15 10:23

## EAST Search History

S21 7	0	((381/71.11-71.12)"cls.") and S210 and @ay<="1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2006/08/19 09:51
S21 8	0	((704/226-228)"cls.") and S210 and @ay<="1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2006/08/19 09:52
S21 9	6	((704/233)"cls.") and S210 and @ay<="1999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2006/08/19 09:52